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C L A I M S

1. An electronic apparatus for communicating with first device and second device, comprising:

5 a wireless communication device;

means for establishing first wireless connection between said wireless communication device and the first device, and second wireless connection between said wireless communication device and the second
10 device; and

means for reproducing content data received through the first wireless connection,

wherein said establishing means establishes the second wireless connection while maintaining the first
15 wireless connection in the case said wireless communication device receives a request to establish the second wireless connection from the second device while reproducing content data from the first device.

20 2. An electronic apparatus according to claim 1, wherein the establishing means establishes the first wireless connection under a first condition in which said wireless communication device functions as a master.

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3. An electronic apparatus according to claim 2, wherein the establishing means has means for setting

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the first wireless connection under a second condition other than the first condition.

5 4. An electronic apparatus according to claim 1, further comprising means for outputting notification indicating that said wireless communicating device received a request to transmit a voice call from the second device.

10 5. An electronic apparatus according to claim 4, wherein said reproducing means includes a speaker which outputs a sound reproduced from the content data, and said outputting means makes said speaker output the notification with louder volume than that of the sound
15 reproduced by said reproducing means.

 6. An electronic apparatus according to claim 1 wherein said establishing means is further operative for establishing a wireless connection with said second
20 device even though said second device has not requested a connection.

 7. An electronic apparatus for communicating with first device and second device, comprising:
25 a wireless communication device;
 means for establishing first wireless connection between said wireless communication device and the

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first device, and second wireless connection between said wireless communication device and the second device;

5 means for reproducing content data received through said first wireless connection;

means for outputting a notification indicating that said wireless communicating device received a request for a voice call from the second device through the second wireless connection;

10 means for inputting an instruction to receive the voice call;

means for adjusting a sound reproduced by said reproducing means in relation to the operation of said inputting means; and

15 means for communicating with the second device using voice data through the second wireless connection while the sound reproduced by said reproducing means is adjusted.

20 8. An electronic apparatus according to claim 7, wherein said adjusting means has first sending means for sending to the first device a first request for stopping transmitting the content data.

25 9. An electronic apparatus according to claim 8, wherein said adjusting means has second sending means for sending to the first device a second request for

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restarting transmitting the content data.

10. An electronic apparatus according to claim 9,
wherein said second sending means requests a content
5 data following the content data which has already been
transmitted.

11. An electronic apparatus according to claim 7,
wherein said adjusting means has means for muting the
10 sound reproduced by said reproducing means.

12. An electronic apparatus according to claim 11,
wherein said adjusting means has means for recovering
the sound after the communication through the second
15 wireless connection has finished.

13. A headset for communicating with first device
and second device, comprising:

a wireless communication device;

20 first establishing means for establishing first
wireless connection between said wireless communication
device and the first device;

means for reproducing content data received
through said first wireless connection;

25 second establishing means for establishing second
wireless connection between said wireless communication
device and the second device while the first wireless

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connection is maintained in the case said wireless
communication device receives a request to establish
the second wireless connection from the second device
under a condition in which said reproducing means
5 is reproducing the content data;

means for outputting a notification indicating
that said wireless communicating device received a
request for a voice call from the second device through
the second wireless connection;

10 means for inputting an instruction to receive the
voice call;

means for communicating with the second device
using voice data through the second wireless
connection; and

15 means for adjusting a sound reproduced by said
reproducing means while the communicating means is
operating.

20 14. A headset according to claim 13, wherein said
adjusting means has means for sending to the first
device a request for stopping transmitting the content
data.

25 15. A headset according to claim 13, wherein said
adjusting means has means for muting the sound
reproduced by said reproducing means.

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16. A connection control method for an electronic apparatus that communicates with a first device and a second device, comprising the steps of:

5 establishing a first wireless connection between the electronic apparatus and the first device;

reproducing content data received through the first wireless connection; and

10 establishing a second wireless connection between the electronic apparatus and the second device while maintaining the first wireless connection in the case the electronic apparatus receives a request to establish the second wireless connection from the second device during the reproduction of the content data.

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17. A connection control method for an electronic apparatus that communicates with a first device and a second device, comprising the steps of:

20 establishing first wireless connection between the electronic apparatus and the first device;

reproducing content data received through the first wireless connection;

25 establishing second wireless connection between said wireless communication device and the second device while the first wireless connection is maintained, corresponding to a request to establish the second wireless connection from the second device;

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outputting a notification indicating that the
electronic apparatus received a request for a voice
call from the second device through the second wireless
connection;

5 inputting an instruction to receive the voice
call;

 adjusting a sound reproduced by said reproducing
means; and

 communicating with the second device using voice
10 data through the second wireless connection under the
condition the sound is adjusted.